

# TEST REPORT

Applicant Name : SHENZHEN MOCLOUD TECHNOLOGY CO., LTD.  
Address : Rm 1401-02, Huatong Bldg., Ganli 2nd Road, Jihua Town, Longgang Dist. Shenzhen, China  
Report Number : 2504V71152E-RF  
FCC ID: 2AXUU4206-1406

## Test Standard (s)

47 CFR §1.1307& §2.1091

## Sample Description

Product Type: SPEAKER  
Model No.: MPD1406, MPD4206

Trade Mark:



Date Received: 2025-07-31

Report Date: 2025-08-13

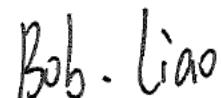
Test Result:	The EUT complied with the standards above.
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## Prepared and Checked By:



Amanda Wei  
EMC Engineer

## Approved By:



Bob Liao  
EMC Engineer

Note: This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA, or any agency of the Federal Government. The information marked “#” is provided by the applicant, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report. Customer model name, addresses, names, trademarks etc. are included but no need marked.

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## Shenzhen Accurate Technology Co., Ltd.

Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Tel: +86 755-26503290

Web: [www.atc-lab.com](http://www.atc-lab.com)

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## DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
Rev.00	2504V71152E-RF	Original Report	2025-08-13

## GENERAL INFORMATION

### Product Description for Equipment under Test (EUT)

Product	SPEAKER
Tested Model	MPD1406
Multiple Models	MPD4206
Model Difference <sup>#</sup>	The difference between two models is model name, speaker quantity, battery and plastic cabinet. Please refer to DOS letter for details.
Frequency Range	Bluetooth: 2402-2480MHz
Antenna Specification <sup>#</sup>	Internal Antenna: -0.68 dBi (It is provided by the applicant.)
Voltage Range <sup>#</sup>	DC 5V from adapter DC 3.7V from rechargeable battery
Sample Serial Number	Model MPD1406: 37BU-6 (RF Conducted Test) (Assigned by ATC, Shenzhen)
Sample/EUT Status	Good condition

### Objective

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts C and Part 2-Subpart J, Radiofrequency Radiation Exposure of the Federal Communication Commission rules.

The tests were performed in order to determine compliance with FCC §2.1091 rules.

### Test Facility

The test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the Floor 1, KuMaKe Building, Dongzhou Community, Guangming Street, Guangming District, Shenzhen, Guangdong, China.

Accredited by American Association for Laboratory Accreditation (A2LA). The Certificate Number is 4297.01.

## RF EXPOSURE

### Applicable Standard

According to subpart 2.1091 systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to RF energy level in excess of the communication guidelines.

#### Limits for General Population/Uncontrolled Exposure

Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Averaging Time (Minutes)
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f <sup>2</sup> )	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz

\* = Plane-wave equivalent power density

### Result

#### Calculated Formulary:

Predication of MPE limit at a given distance

$$S = \frac{PG}{4\pi R^2}$$

S = power density (in appropriate units, e.g. mW/cm<sup>2</sup>)

P = power input to the antenna (in appropriate units, e.g., mW).

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain.

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Mode	Frequency (MHz)	Antenna Gain <sup>#</sup>		Tune up conducted power <sup>#</sup>		Evaluation Distance (cm)	Power Density (mW/cm <sup>2</sup> )	MPE Limit (mW/cm <sup>2</sup> )
		(dBi)	(numeric)	(dBm)	(mW)			
BT	2402	-0.68	0.86	1.8	1.51	20	0.00026	1.0

Note: The tune-up power and antenna gain are declared by the applicant.

To maintain compliance with the FCC's RF exposure guidelines, place the equipment at least 20cm from nearby persons.

#### Result: Compliance

## **EXHIBIT A-EUT PHOTOGRAPHS**

Please refer to the Attachment No.1 2504V71152E-RF EUT External Photos and Attachment No.2 2504V71152E-RF EUT Internal Photos.

\*\*\*\*\* END OF REPORT \*\*\*\*\*